



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141778

Mode: Highway

Status: Submitted

NC-24 (Freedom Highway)

From/Cross Street: Camp Lejeune's Main Gate at Holcomb Blvd.

Specific Improvement Type: 2 - Upgrade Arterial to Freeway/Expressway

To: SR 1434 (Belgrade-Swansboro Road)

Project Category: Statewide Mobility

Length: 10.89

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$63,616,000

Description:

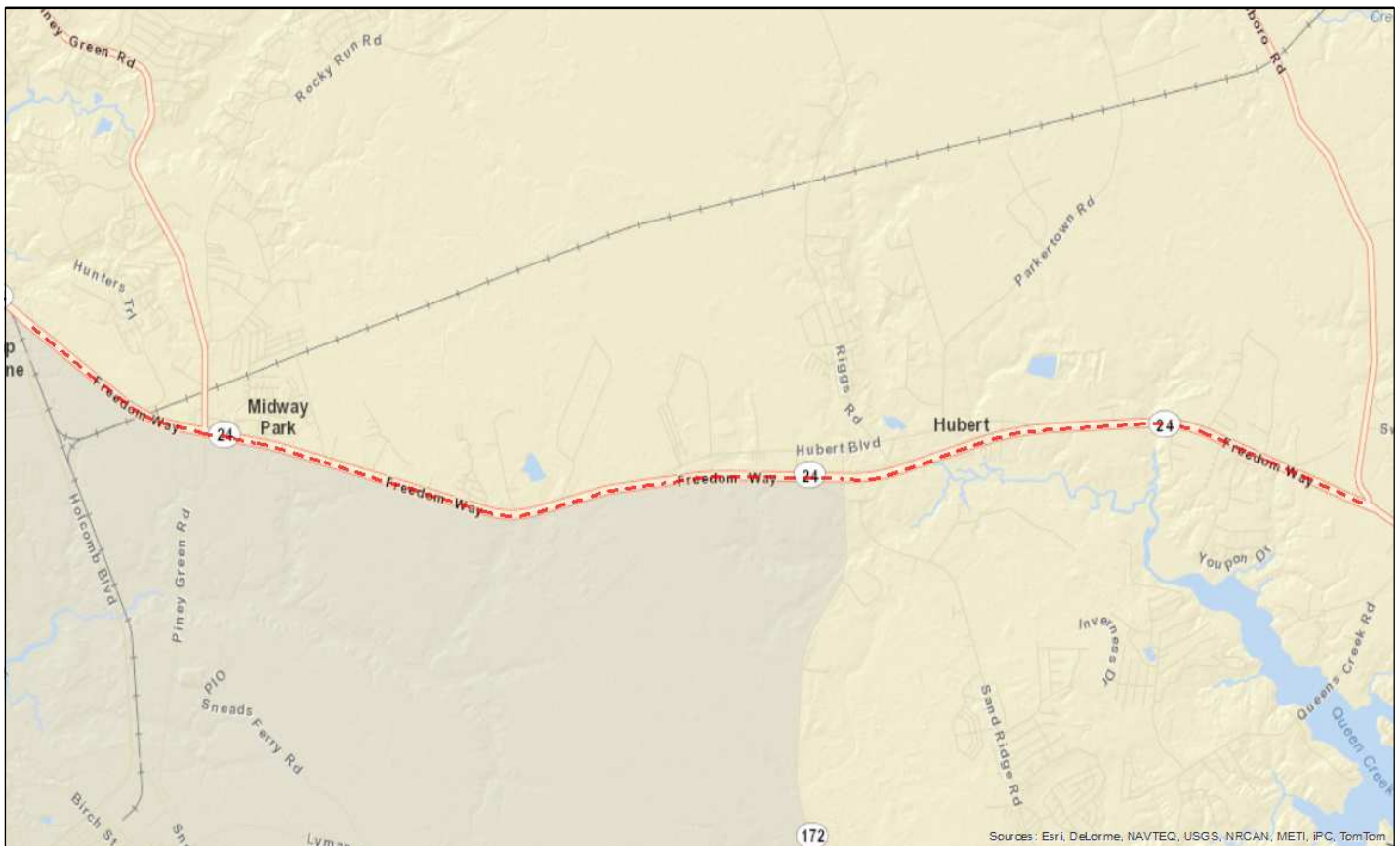
Upgrade NC 24 to a freeway standard roadway from the Main Gate at Camp Lejeune (Trumpet Interchange) to SR 1434 (Belgrade/Swansboro Road).

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO, Down East RPO

Project Location



Statewide Mobility Total Score: 21.33

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 31.63 Safety (10%) 59.11 Economic Competitiveness (10%) 6.37 Multimodal + [Freight & Military] (20%) 24.68 [Travel Time] Benefit/Cost (30%) 1.20 Totals: Weight: 100% Weighted Score: 21.33	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 59.11 Multimodal + [Freight & Military] (25%) 24.68 [Travel Time] Benefit/Cost (20%) 1.20 Totals: Weight: 70% Weighted Score: 21.19	Percent: 15% Points:	Percent: 15% Points:

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 31.63 Safety (20%) 59.11 Multimodal + [Freight & Military] (10%) 24.68 Totals: Weight: 50% Weighted Score: 20.62	Percent: 25% Points:	Percent: 25% Points:

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	10.89
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	25765.62
Capacity:	72484.8
Volume/Capacity Ratio:	0.36
% Autos:	95%
% Trucks:	5%
Truck Volume:	1382.06
Crash Density:	61.04
Crash Severity:	68.08
Critical Crash Rate:	48.23
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	16
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	78
Actual Congested Speed:	50.63
Travel Time Index:	1.09

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	60
Length (miles):	10.89
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3382270.67
Travel Time Savings for 30 Years (Autos):	3200847.28
Travel Time Savings for 30 Years (Trucks):	181423.39
Long-Term Employment:	54.34
% Change in Economy:	7.31E-05
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	61%	0	0
Down East RPO	39%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$52,998,000	Cost Estimation Tool
Right-of-Way Cost:	\$9,480,000	Cost Estimation Tool
Utilities Cost:	\$1,138,000	Cost Estimation Tool
Total Project Cost:	\$63,616,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$63,616,000	